

Amendments to the Drawings:

The attached sheets of formal drawings include FIGS. 1-18. These sheets replace the original sheets including FIGS. 1-18.

Attachment: Replacement Sheets

A circular ink stamp from the Patent & Trademark Office. The text "PATENT & TRADEMARK OFFICE" is curved along the bottom inner edge. The date "NOV 22 2004" is stamped in the center. The letters "OIP" are visible at the top, partially cut off by the edge of the stamp.

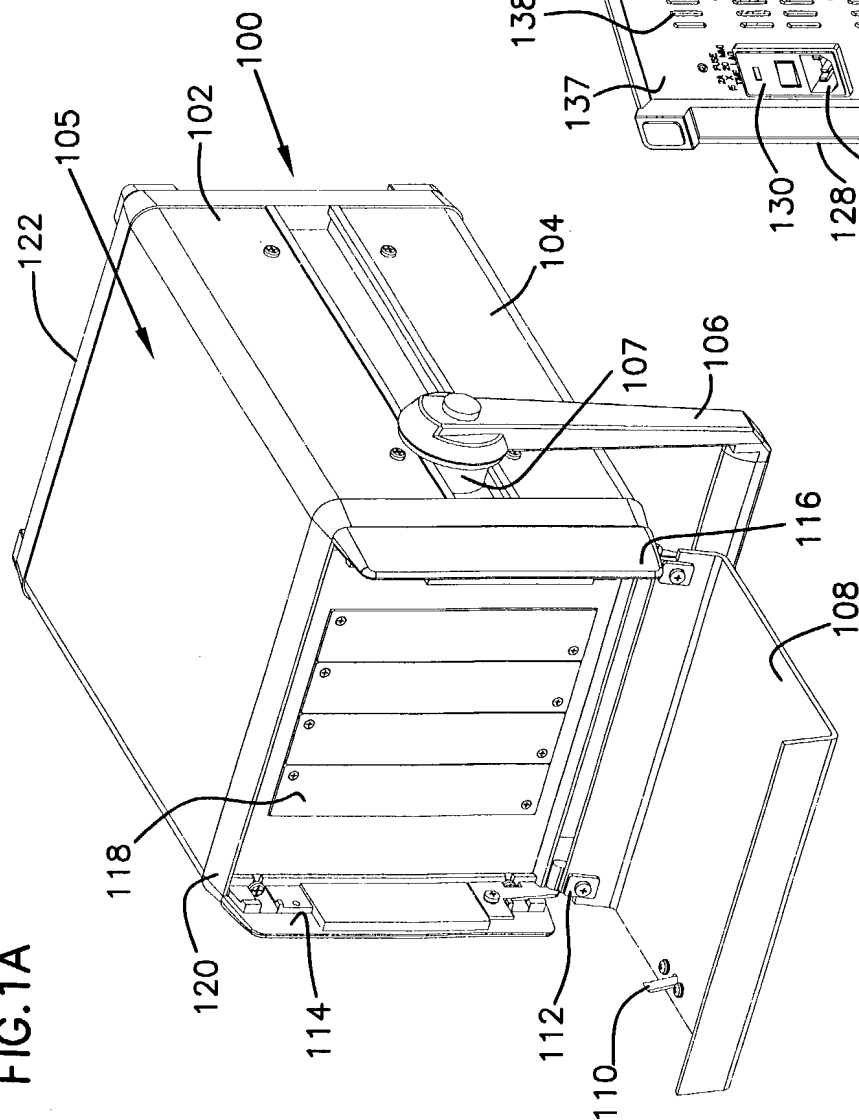




FIG.2B

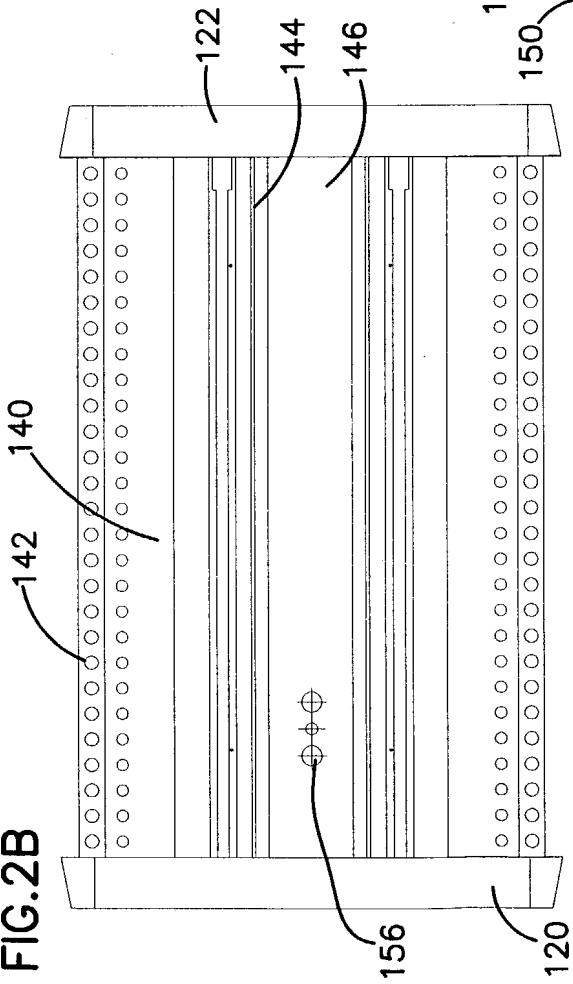


FIG.2A

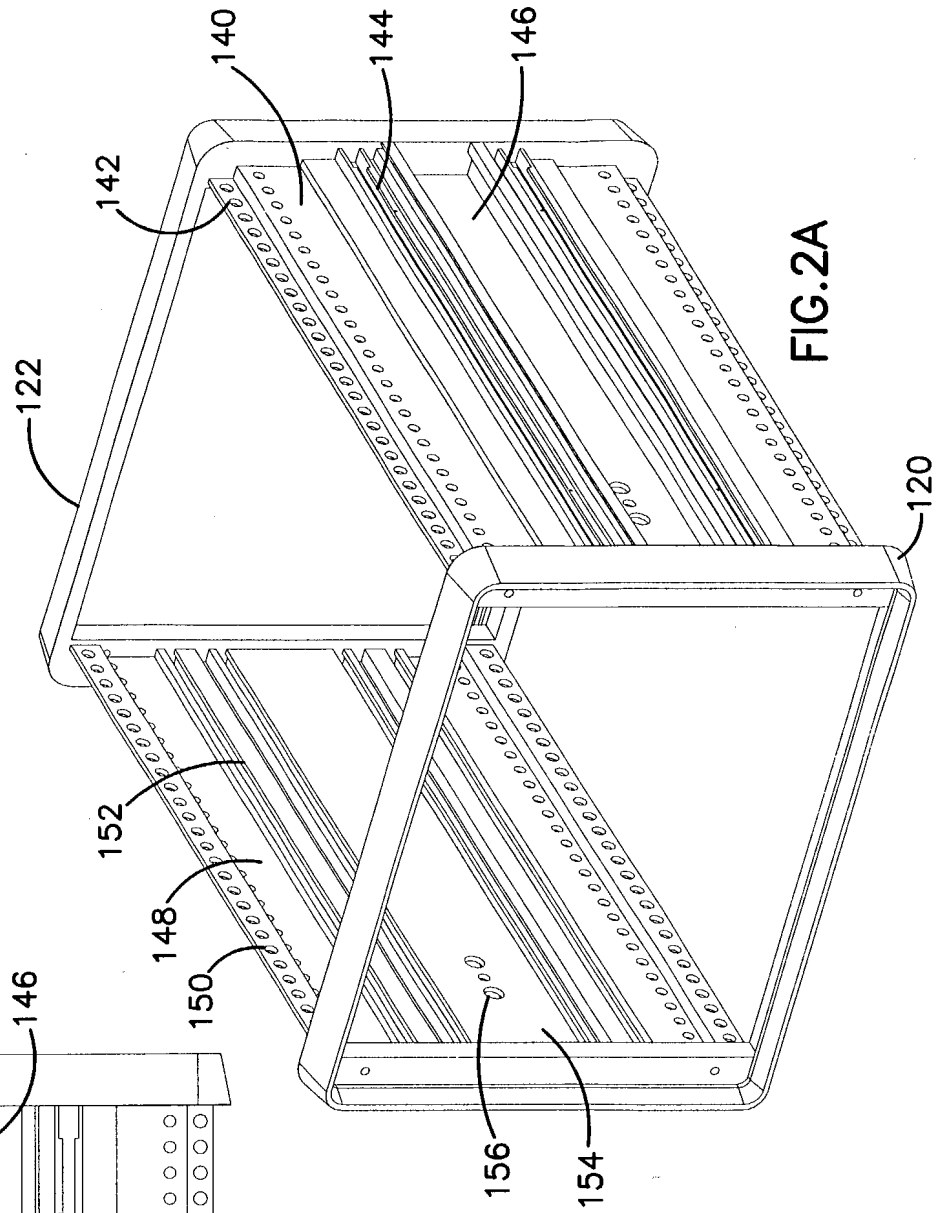




FIG. 3B



FIG. 4A

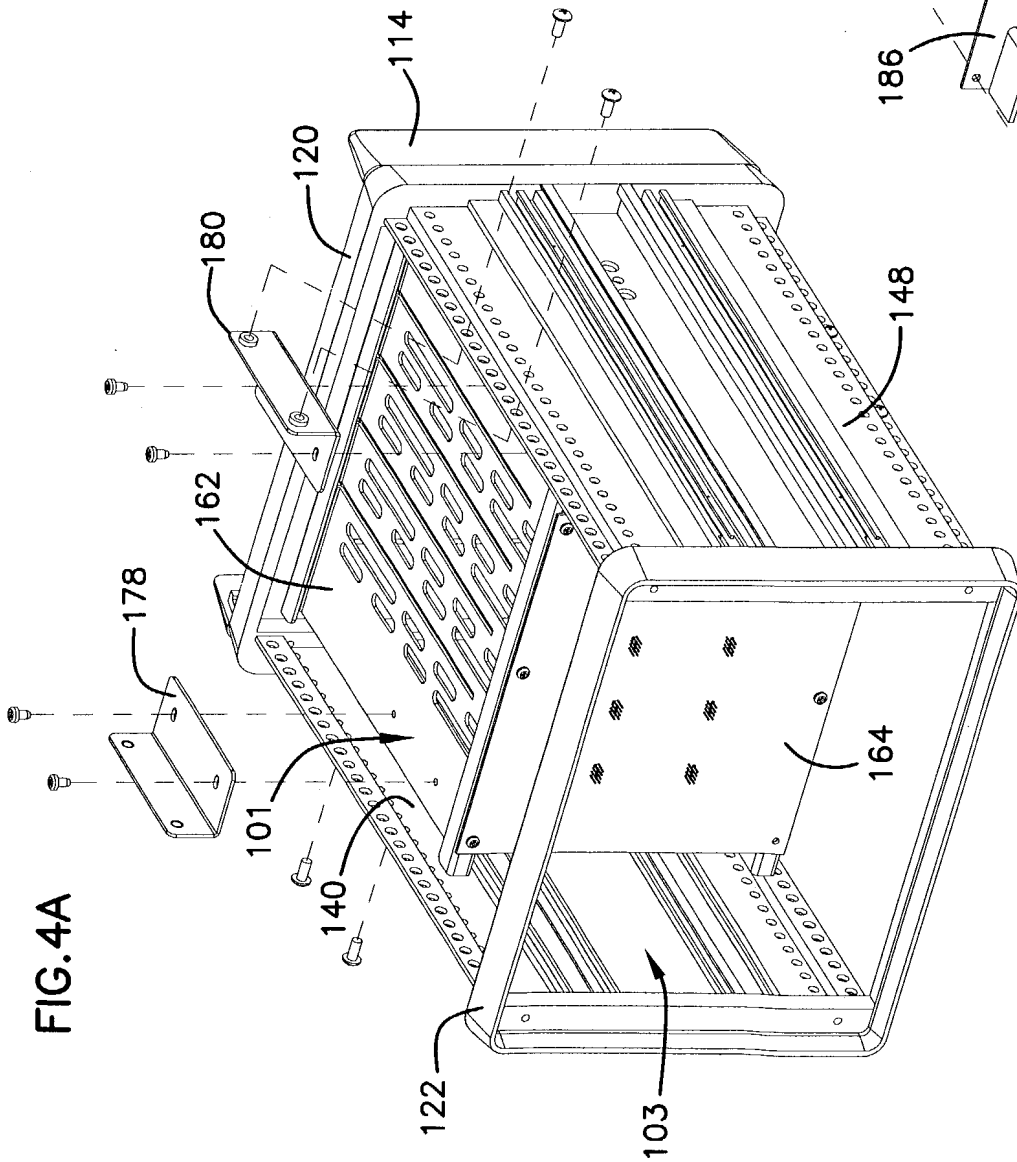


FIG. 4B

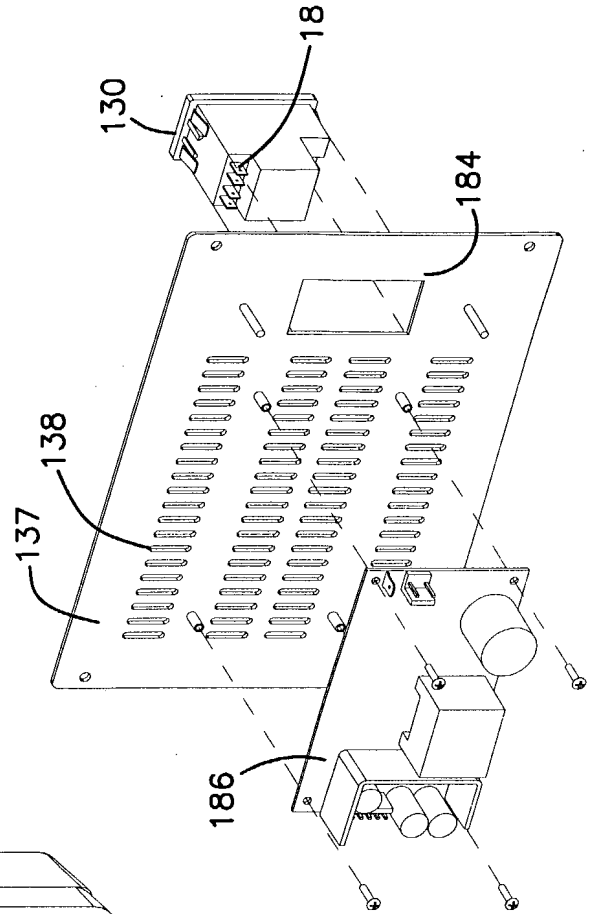




FIG. 5B

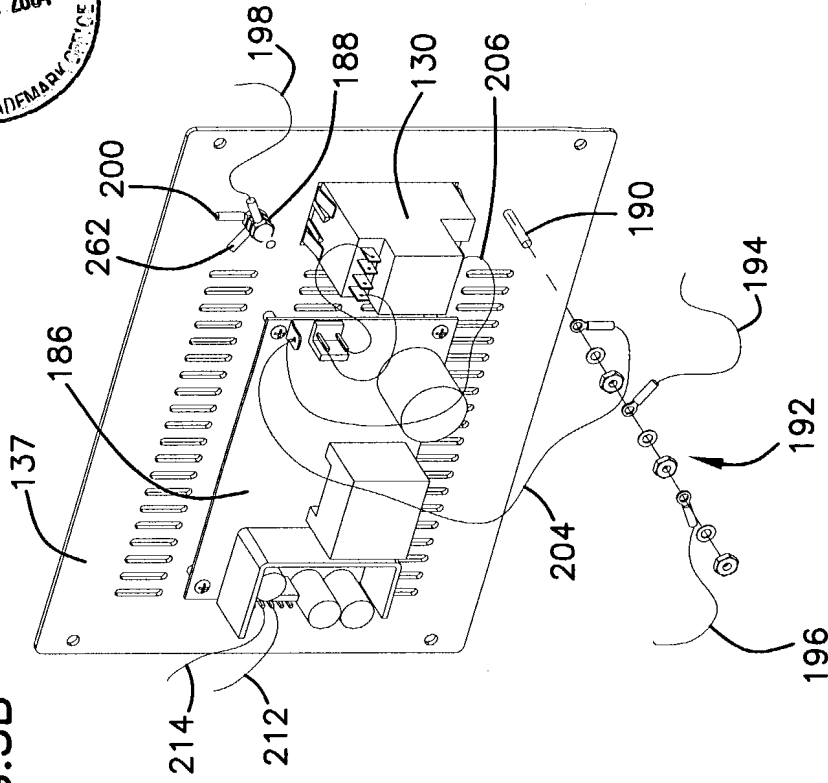


FIG. 5A

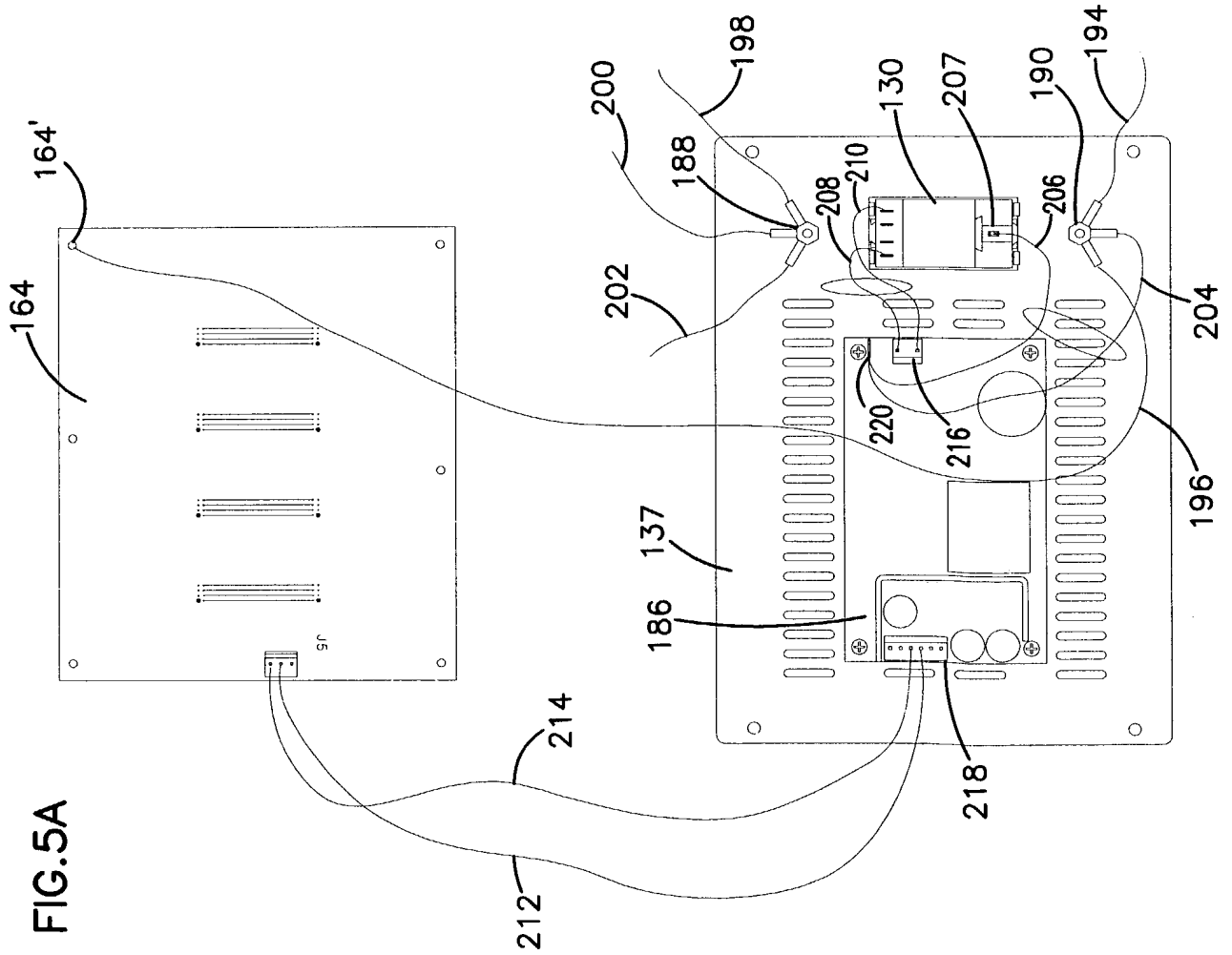
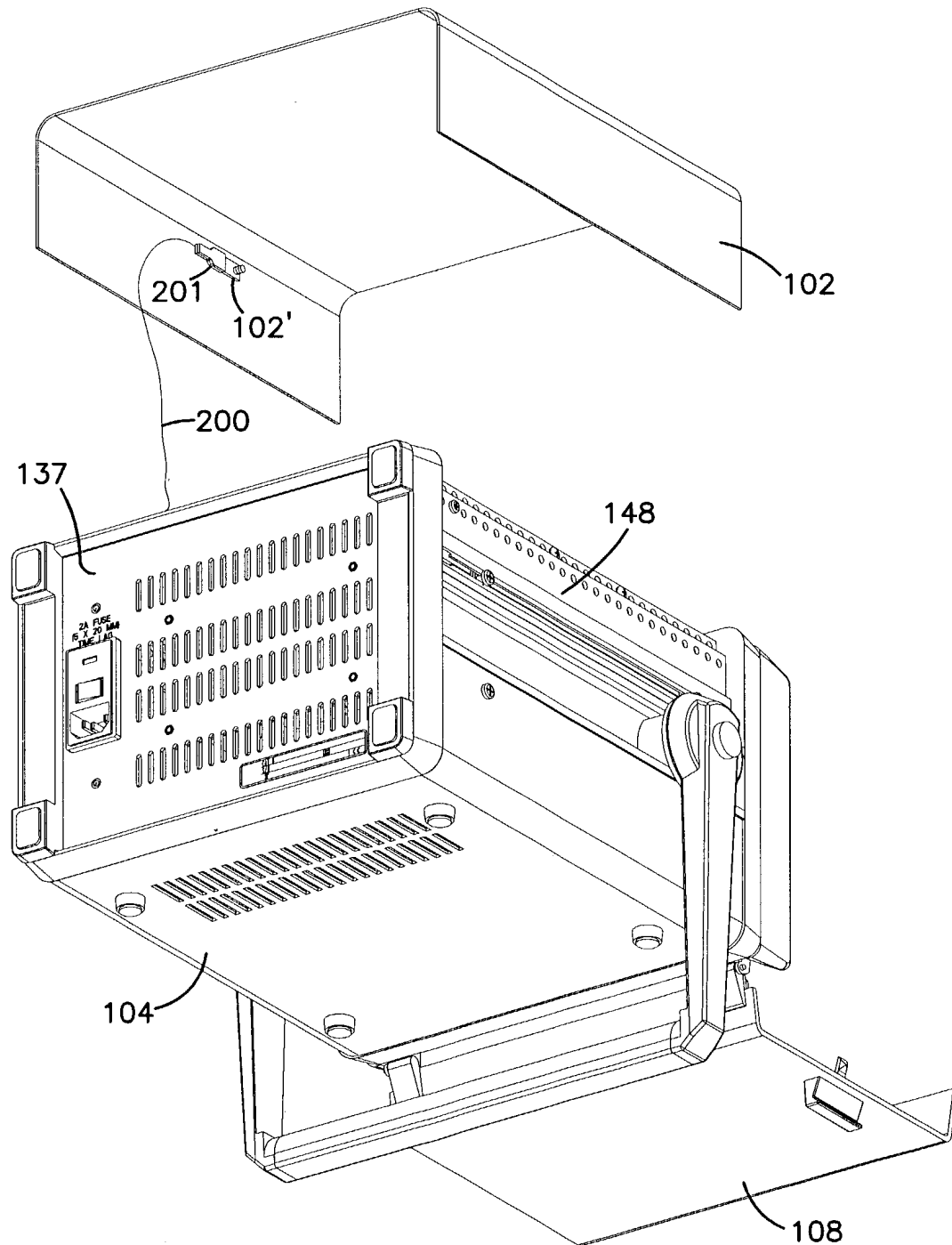




FIG.5C



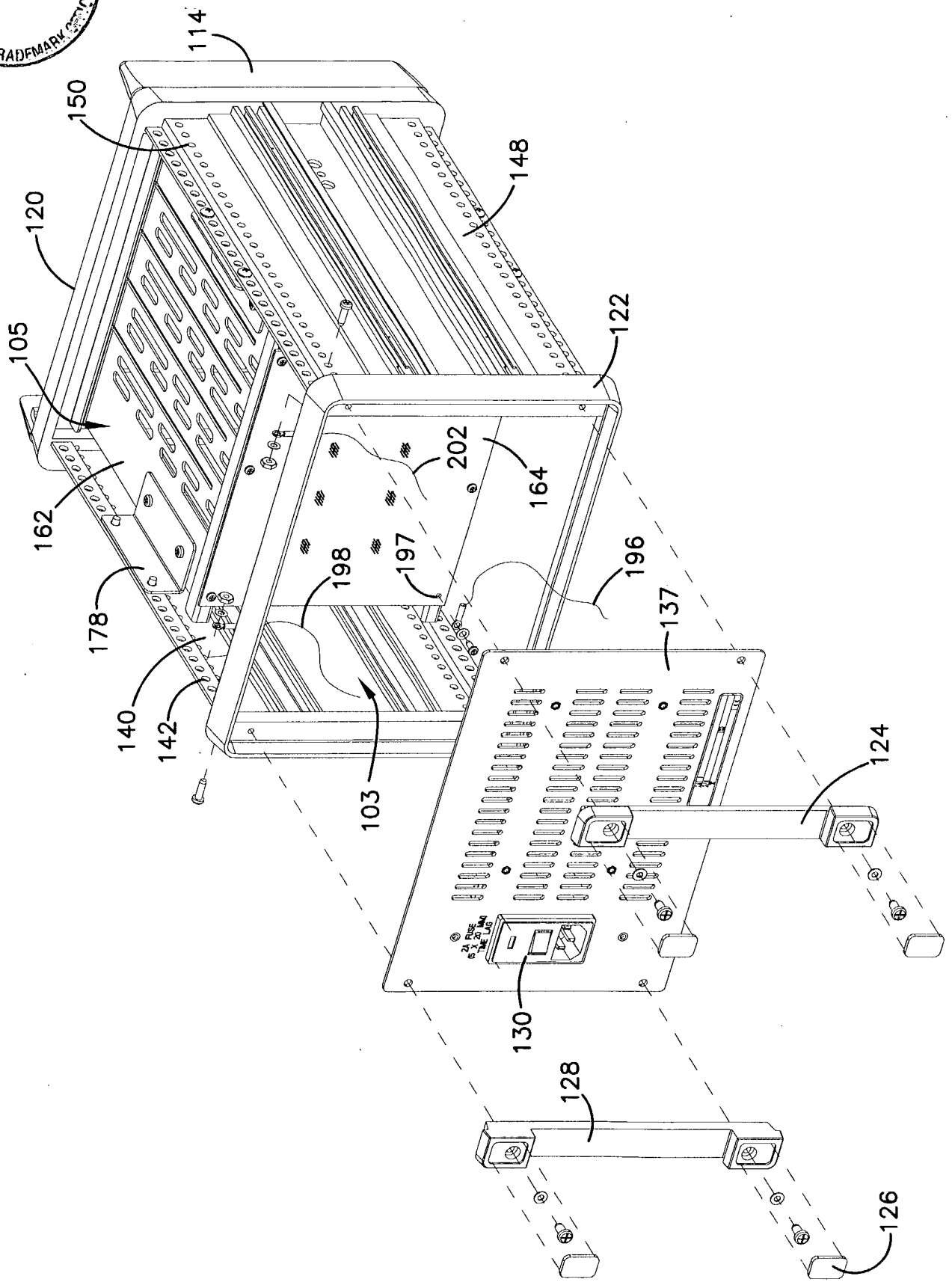


FIG. 6



FIG. 7A

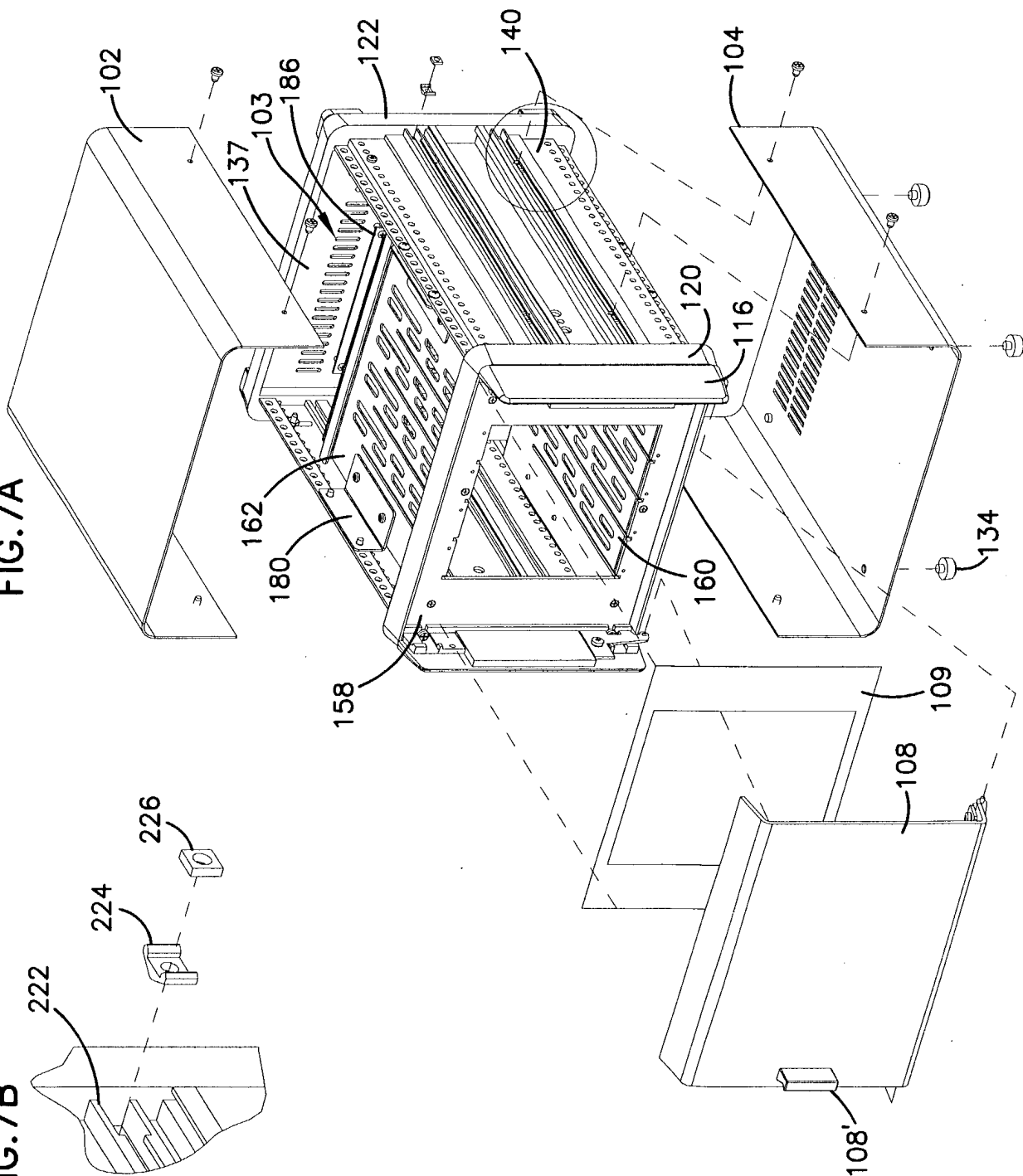


FIG. 7B

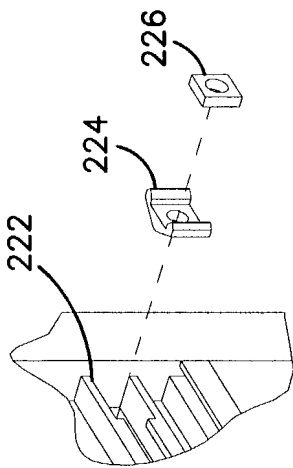


FIG. 7C

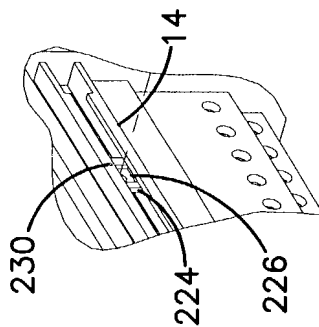




FIG.8A

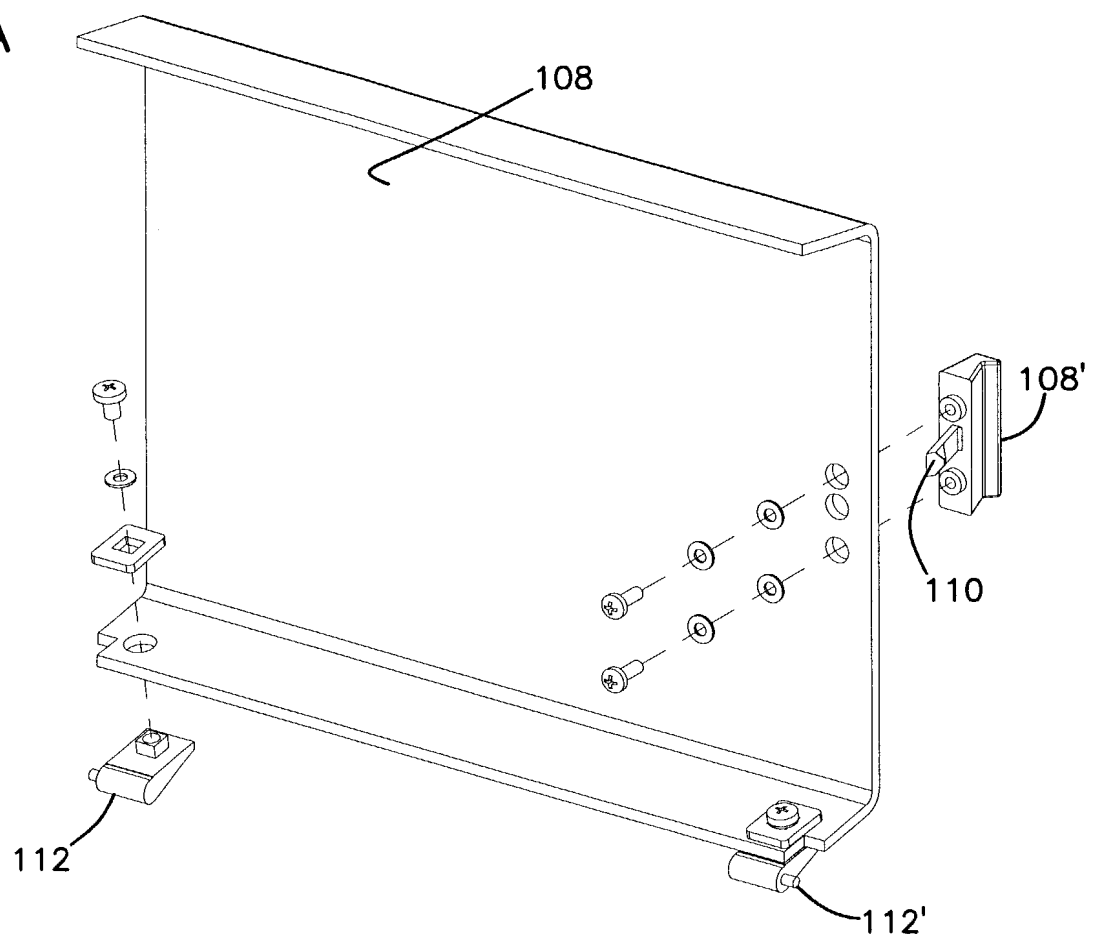
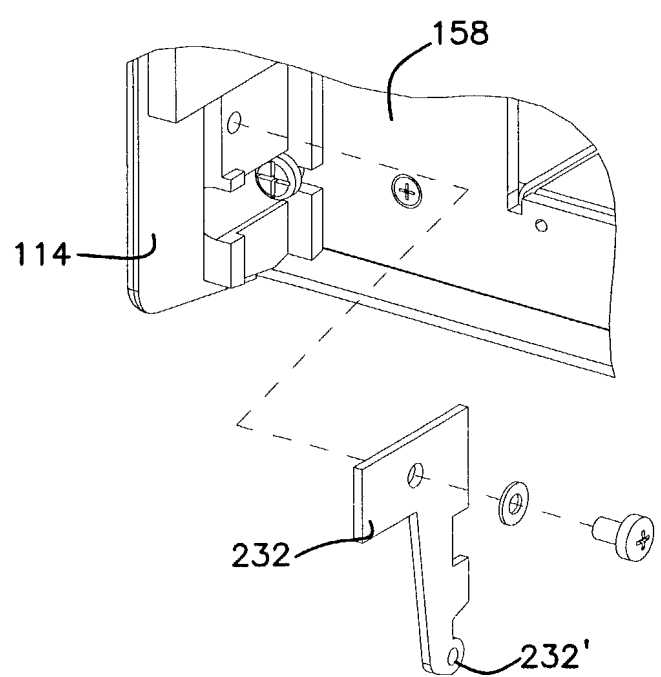


FIG.8B



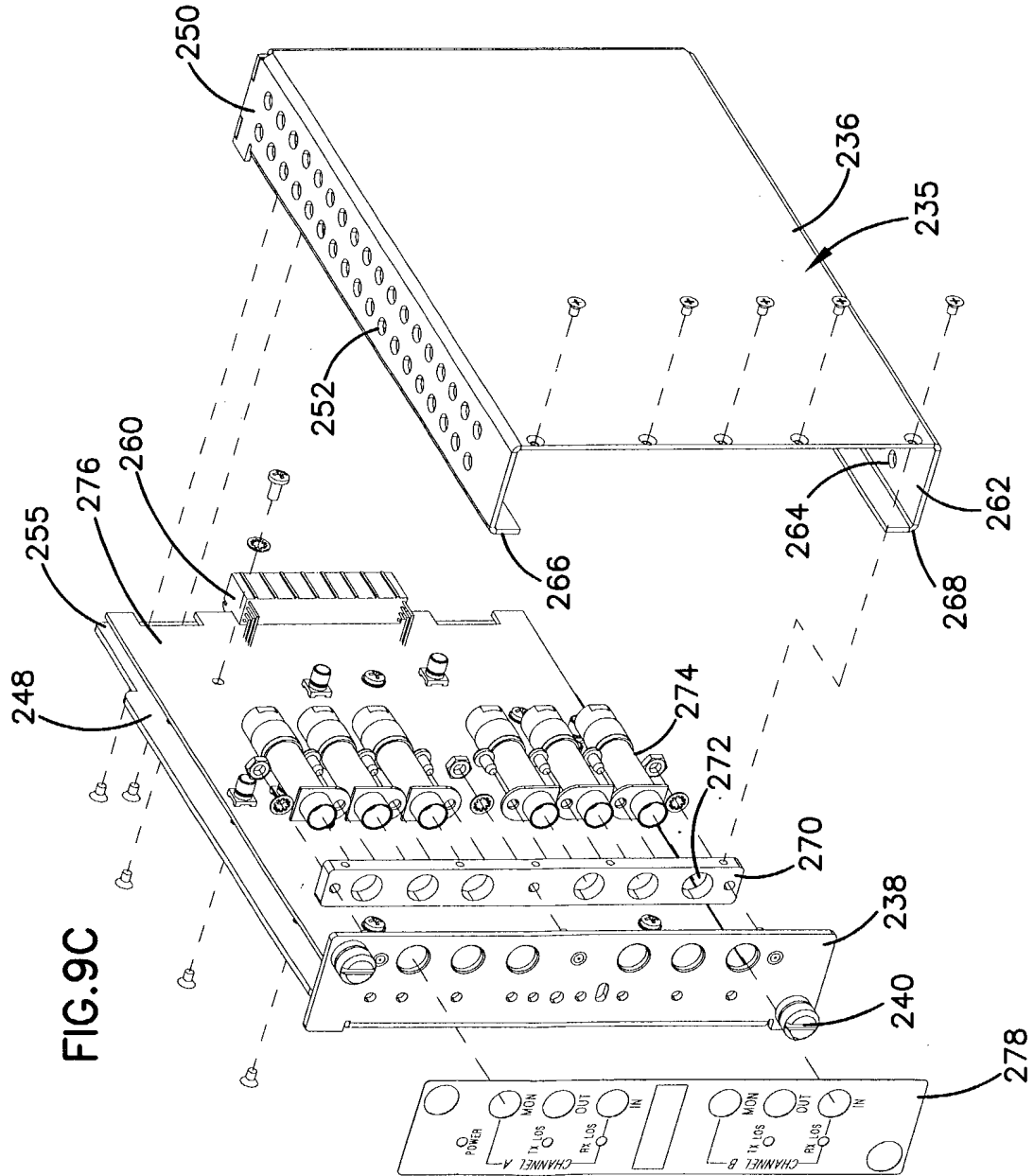
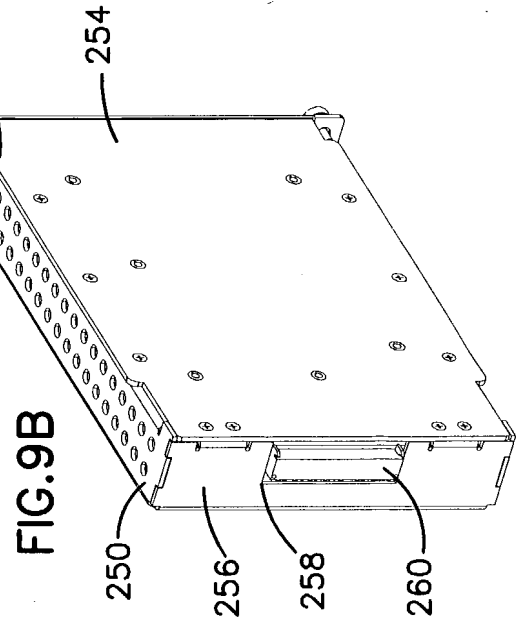
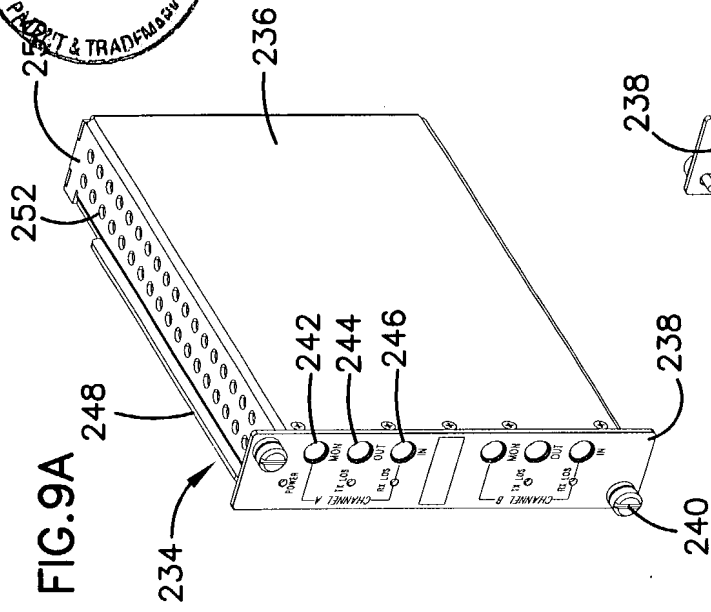






FIG.10

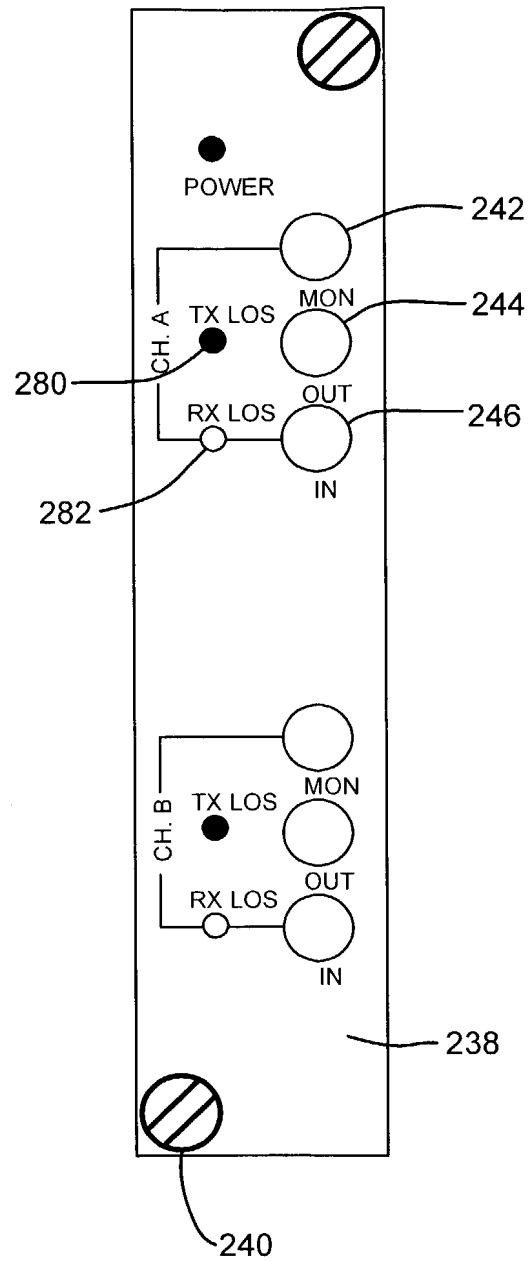




FIG.11

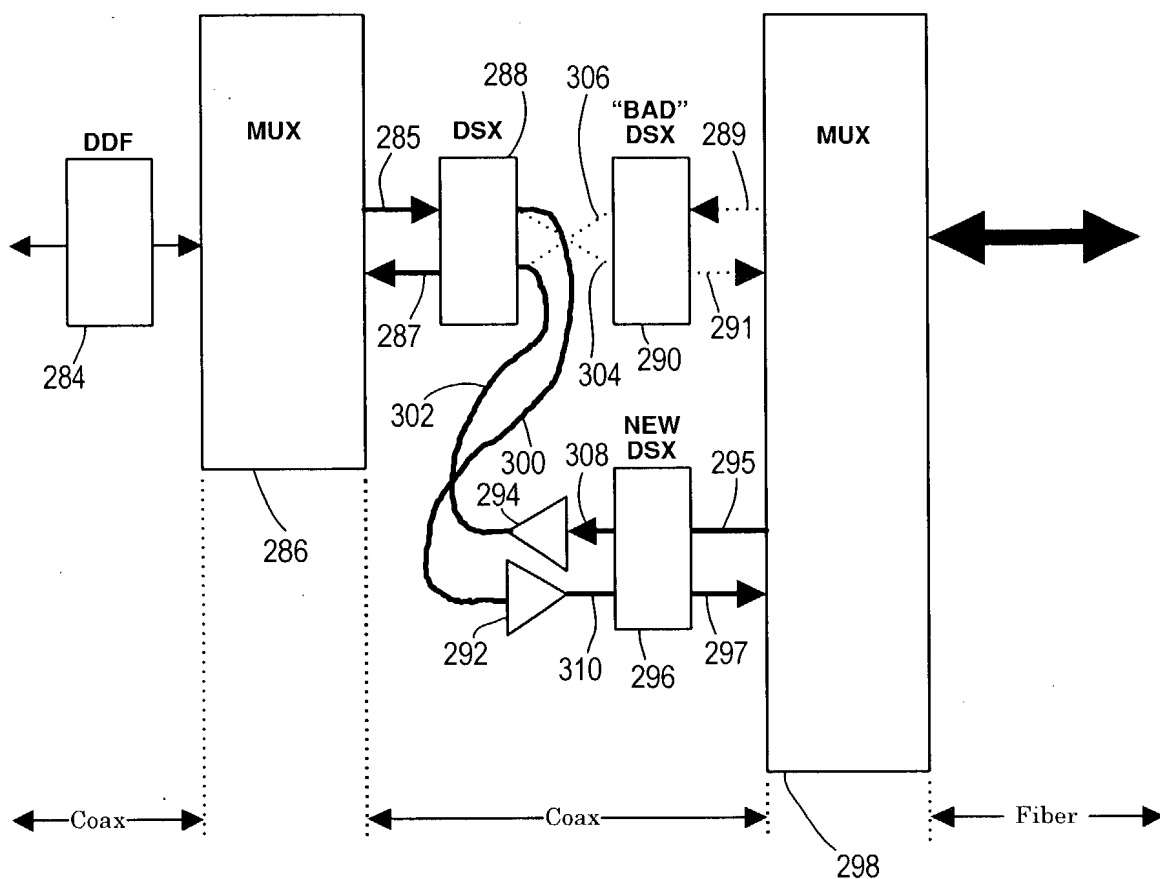




FIG.12

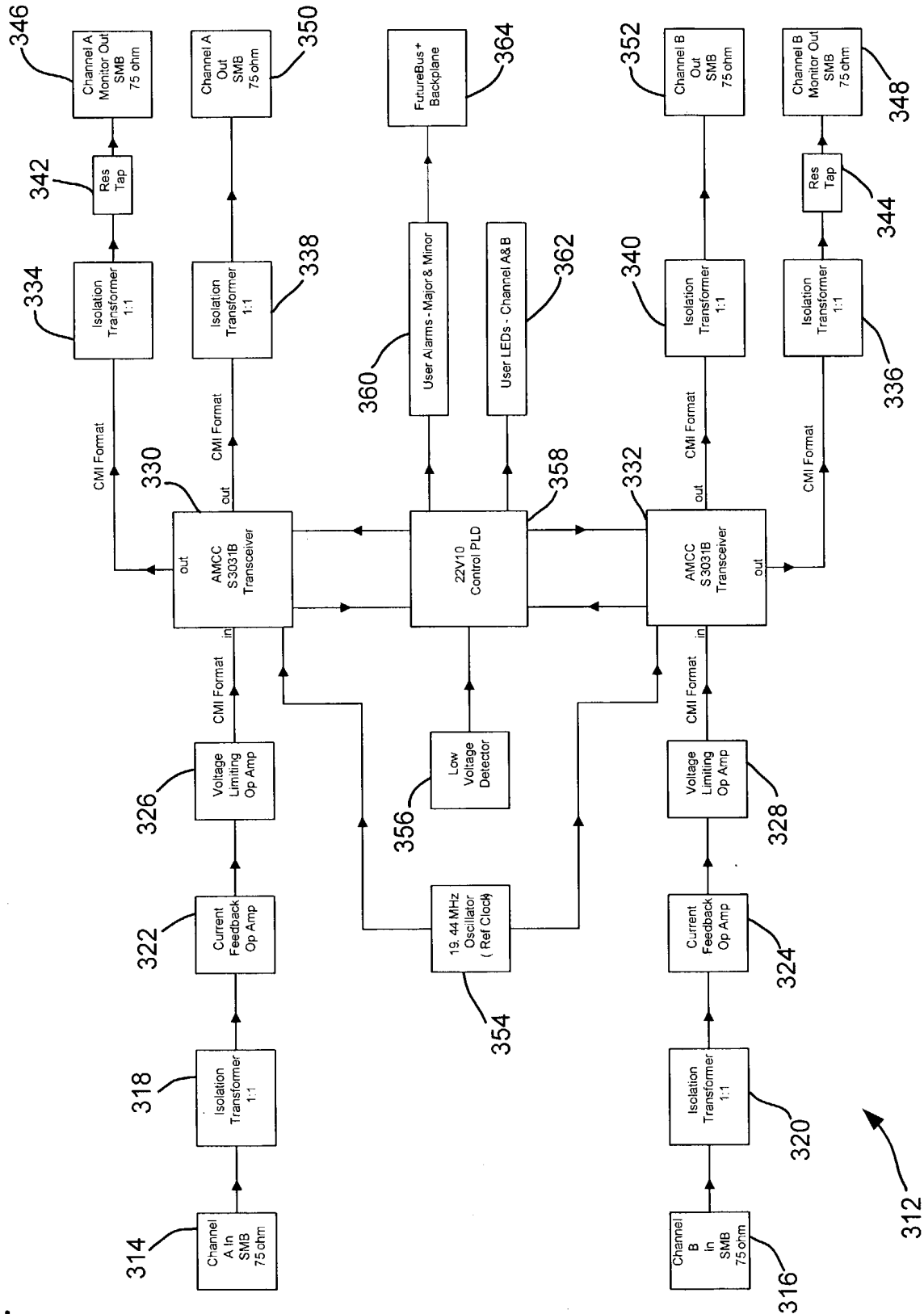
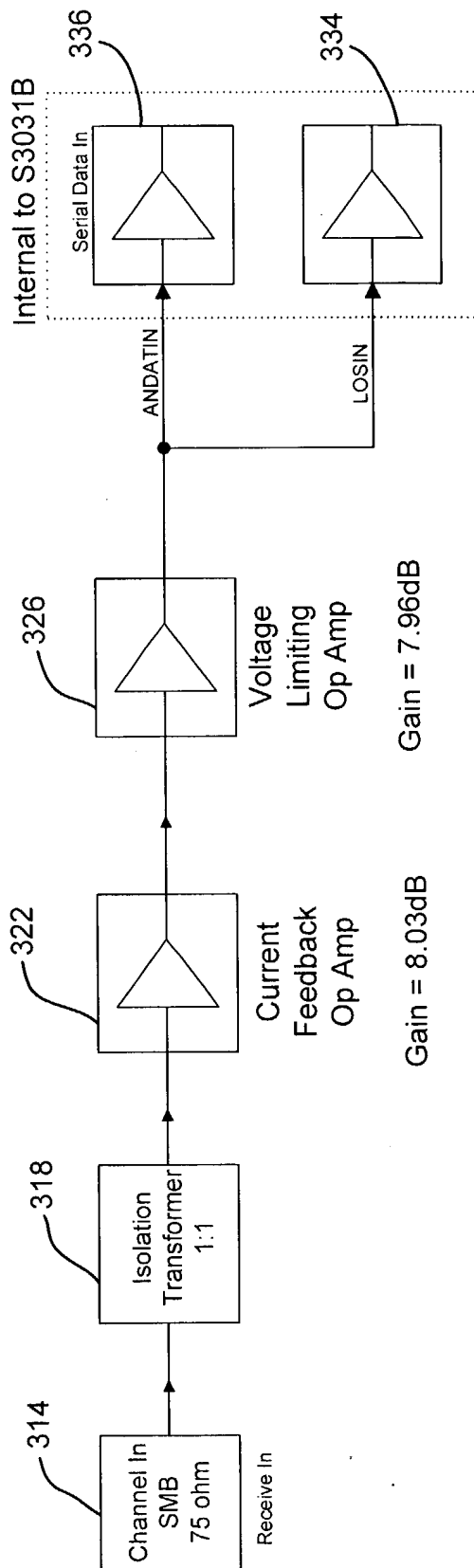


FIG.13



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FIG. 14

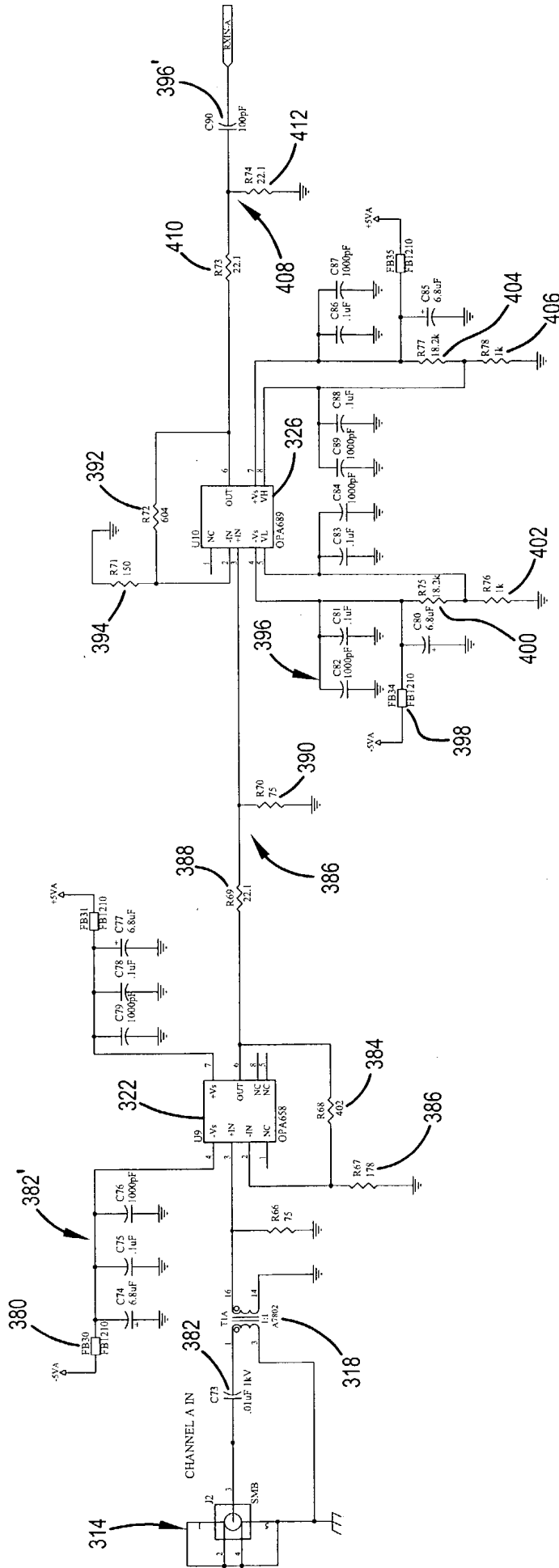
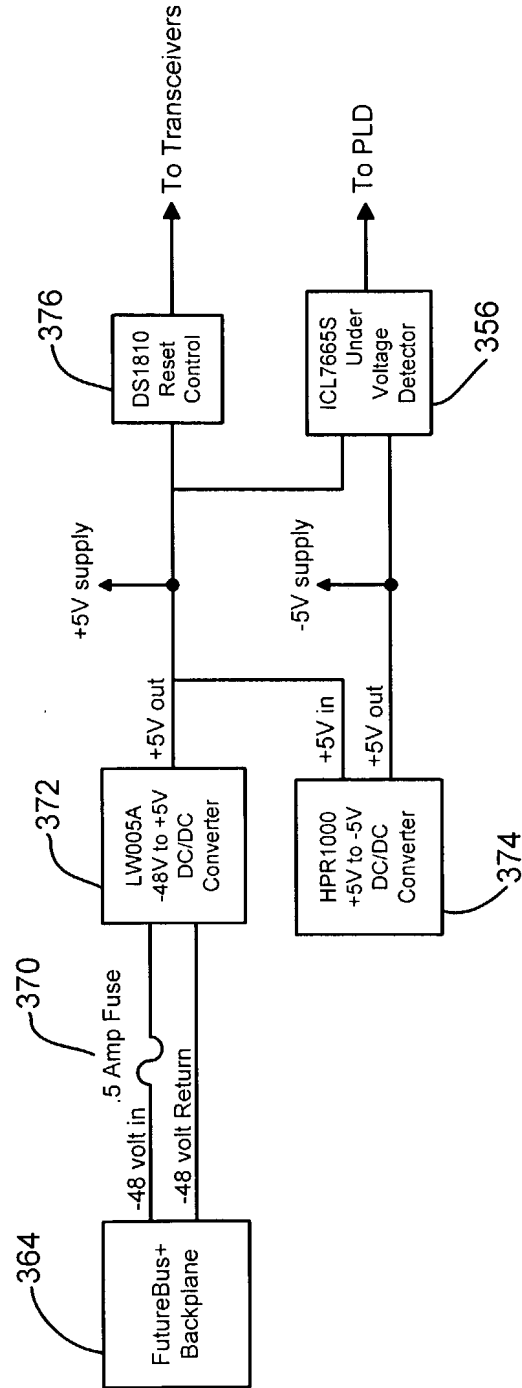




FIG.15



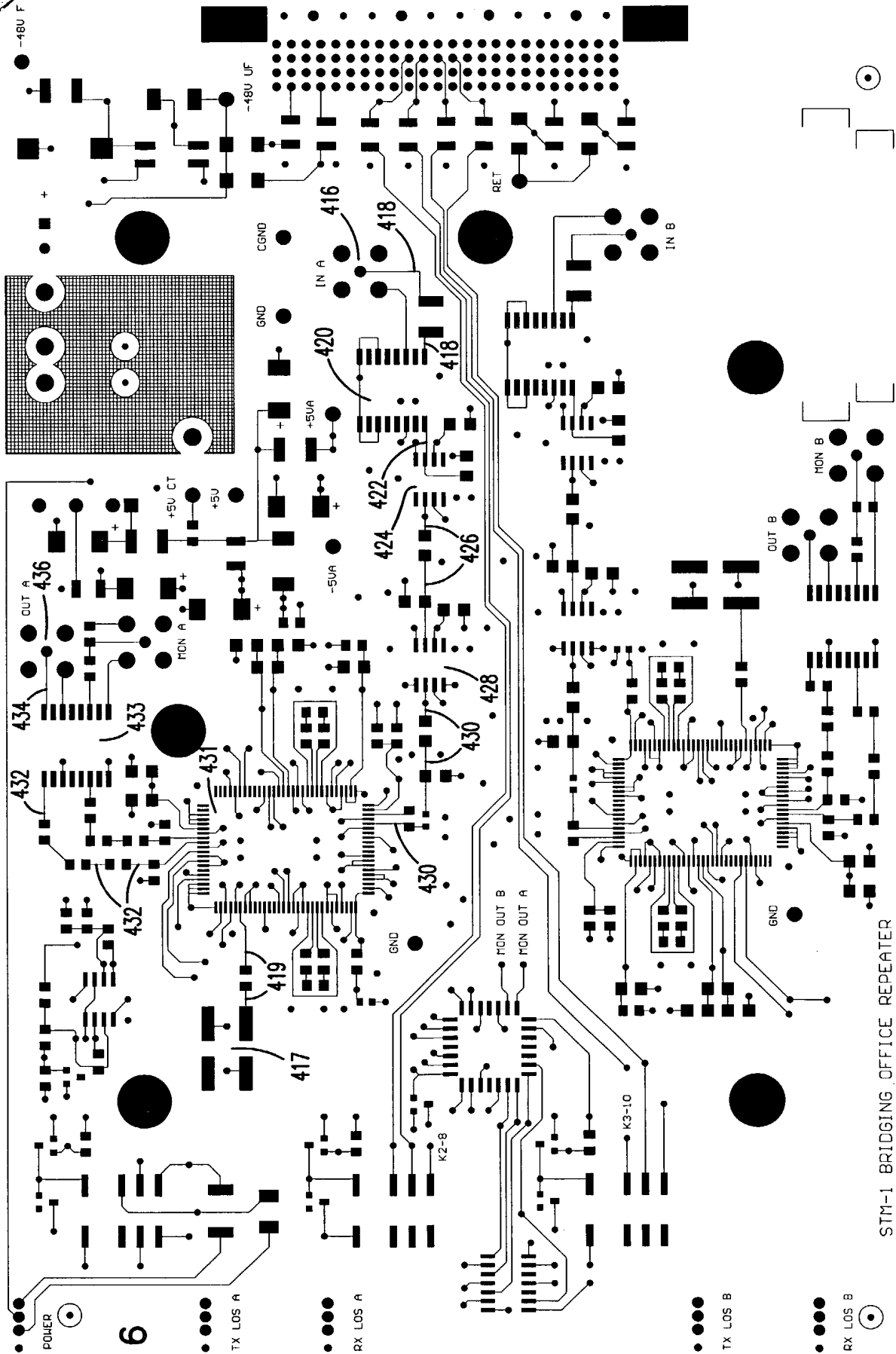


FIG.16

STM-1 BRIDGING OFFICE REPEATER



FIG. 17

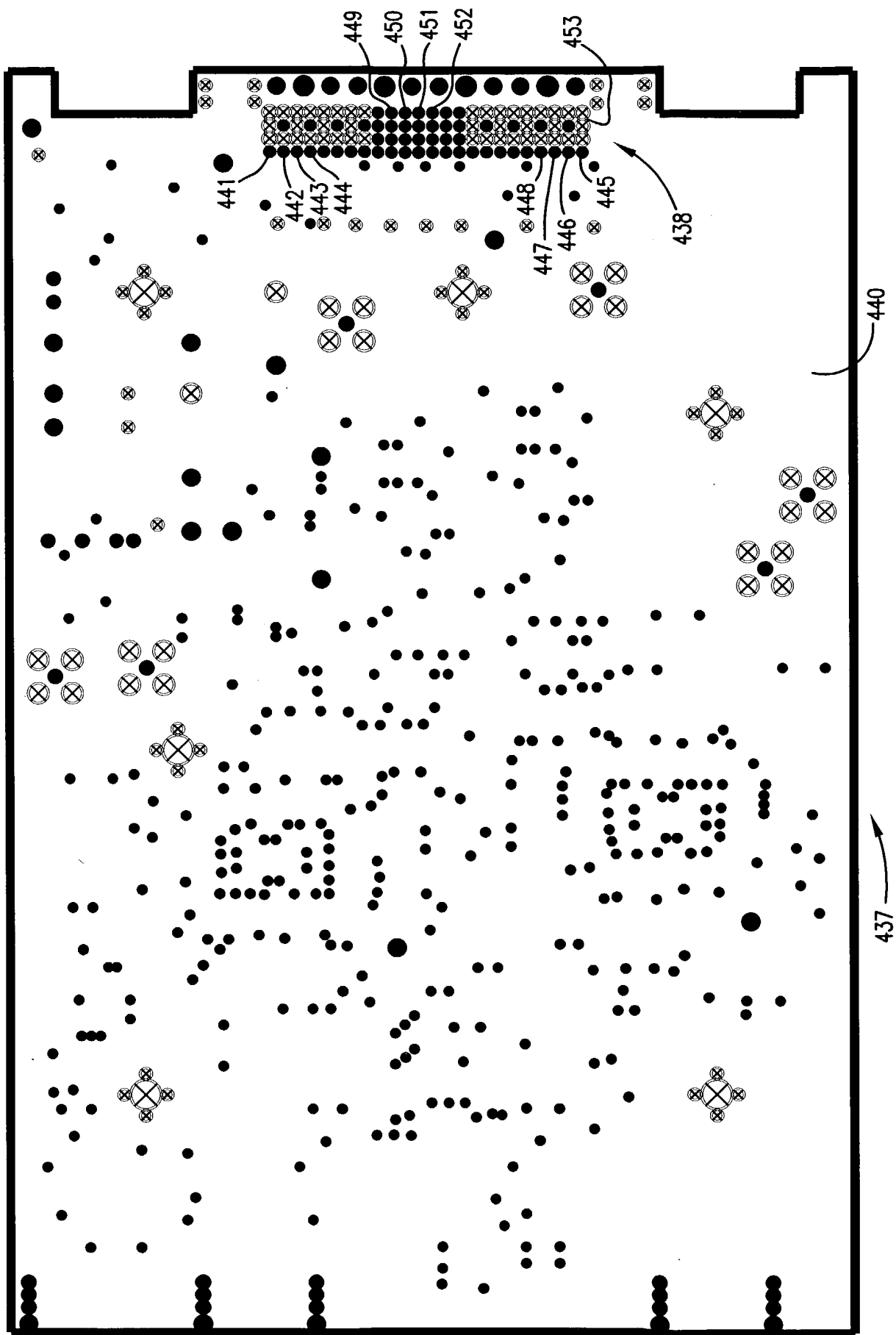




FIG.18

6 LAYER STACK

SOLDER MASK/ COMP SIDE	462
	464
	466
.008 $E_r = 4.3$	468
	470
.005 $E_r = 4.3$	472
	474
.028 $E_r = 4.3$	476
	478
.005 $E_r = 4.3$	480
	482
.008 $E_r = 4.3$	484
	486
SOLDER MASK/ SOD SIDE	488

460 →